## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property **Organization** International Bureau





(43) International Publication Date 2 June 2005 (02.06.2005)

**PCT** 

## (10) International Publication Number WO 2005/049089 A3

(51) International Patent Classification<sup>7</sup>: A61K 7/48, 47/24

(21) International Application Number:

PCT/EP2004/009667

(22) International Filing Date: 30 August 2004 (30.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03425742.8

19 November 2003 (19.11.2003) EP

(71) Applicant (for all designated States except US): BIO.LO.GA. S.R.L. [IT/IT]; Via Maestri del Lavoro, 1, I-31015 Conegliano (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PANIN, Giorgio [IT/IT]; Via Vittorio Veneto, 48/B, I-45100 Rovigo (IT).

(74) Agents: BOTTI, Mario et al.; Botti & Ferrari S.r.l., Via Locatelli, 5, I-20124 Milano (IT).

kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 28 July 2005

(81) Designated States (unless otherwise indicated, for every For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: USE OF PERFLUOROPOLYETHERS PHOSPHATES AS STABILIZING AGENTS FOR POLYPHENOLS IN COS-METIC AND/OR DERMATOLOGICAL COMPOSITIONS

(57) Abstract: The present invention concerns the use of perfluoropolyether phosphates, in particular perfluoropolyether diphosphates, as stabilizing agents for polyphenols in cosmetic and/or dermatological compositions for topical application, and it also concerns cosmetic and/or dermatological compositions containing polyphenols and optionally vitamin E and free ascorbic acid, stabilized by perfluoropolyether diphosphates.

